

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A recording control apparatus, comprising:

a processing unit ~~which performs a processing, involved with~~ for writing or deleting data[[,]] on a recording medium ~~where recorded is~~ having a unit management table ~~which manages for managing~~ usage status of a ~~recording region in units of unit that is constituted by the recording region whose~~ units of a recording region, each unit having a predetermined size with contiguous logical addresses ~~address is contiguous and which has a predetermined size;~~

an updating unit which updates the unit management table in the event that the usage status of the unit is changed by the ~~processing~~ writing or deleting the data performed by said processing unit;

an updated apparatus information recording unit which records, on the recording medium, apparatus information indicating that an apparatus having performed the ~~processing is~~ capable of writing or deleting the data has a function of updating the unit management table;

a detector which detects, when connected to the recording medium, whether an apparatus that last performed the ~~processing is capable of~~ writing or deleting the data has the function of updating the unit managing table or not by reading out the apparatus information recorded by said updated apparatus information recording unit; and

a reconstructing unit which reconstructs the unit management table if the apparatus that last performed the ~~processing is not capable of~~ writing or deleting the data does not have the function of updating the unit management table.

2. (Original) A recording control apparatus according to Claim 1, wherein said reconstructing unit reconstructs the unit management table by referring to actual usage status of the recording region.

3. (Currently Amended) A recording control apparatus according to Claim 1, wherein the size of the unit is determined based on performance of the recording medium so that a processing of data, where continuous write or read thereof in time is required, is performed without ~~delay~~ any loss of data continuity incurred during the continuous write or read operations.

4. (Currently Amended) A recording control apparatus according to Claim 2, wherein the size of the unit is determined based on performance of the recording medium so that a processing of data, where continuous write or read thereof in time is required, is performed without ~~delay~~ any loss of data continuity incurred during the continuous write or read operations.

5. (Original) A recording control apparatus according to Claim 1, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

6. (Original) A recording control apparatus according to Claim 2, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

7. (Original) A recording control apparatus according to Claim 3, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

8. (Original) A recording control apparatus according to Claim 4, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

9. (Currently Amended) A recording control apparatus according to Claim 1, wherein the recording medium is a hard disk and each unit comprises a plurality of blocks in which data are input and output, ~~input/output is made in units of block which is constituted by a recording region~~ each block having continuous logical addresses ~~address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.~~

10. (Currently Amended) A recording control apparatus according to Claim 2, wherein the recording medium is a hard disk and each unit comprises a plurality of blocks in which data are input and output, ~~input/output is made in units of block which is constituted by a recording region~~ each block having continuous logical addresses ~~address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.~~

11. (Currently Amended) A recording control apparatus according to Claim 3, wherein the recording medium is a hard disk and each unit comprises a plurality of blocks in which data are input and output, ~~input/output is made in units of block which is constituted by a~~

~~recording region each block~~ having continuous logical ~~addresses~~ address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

12. (Currently Amended) A recording control apparatus according to Claim 4, wherein the recording medium is a hard disk and each unit comprises a plurality of blocks in which data are input and output, ~~input/output is made in units of block which is constituted by a~~ ~~recording region each block~~ having continuous logical ~~addresses~~ address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

13. (Currently Amended) A recording control apparatus according to Claim 5, wherein the recording medium is a hard disk and each unit comprises a plurality of blocks in which data are input and output, ~~input/output is made in units of block which is constituted by a~~ ~~recording region each block~~ having continuous logical ~~addresses~~ address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

14. (Currently Amended) A recording control apparatus according to Claim 9, wherein the recording medium further includes a region management table ~~which manages for~~ managing usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks ~~that constitute the~~ of a respective unit is ~~grasped~~ obtained by referring to the region management table.

15. (Currently Amended) A recording control apparatus according to Claim 10, wherein the recording medium further includes a region management table ~~which manages for~~

managing usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks ~~that constitute the~~ of a respective unit is ~~grasped~~ obtained by referring to the region management table.

16. (Currently Amended) A recording control apparatus according to Claim 11, wherein the recording medium further includes a region management table ~~which manages for~~ managing usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks ~~that constitute the~~ of a respective unit is ~~grasped~~ obtained by referring to the region management table.

17. (Currently Amended) A recording control apparatus according to Claim 12, wherein the recording medium further includes a region management table ~~which manages for~~ managing usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks ~~that constitute the~~ of a respective unit is ~~grasped~~ obtained by referring to the region management table.

18. (Currently Amended) A recording control apparatus according to Claim 13, wherein the recording medium further includes a region management table ~~which manages for~~ managing usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks ~~that constitute the~~ of a respective unit is ~~grasped~~ obtained by referring to the region management table.

19. (Cancelled)

20. (Currently Amended) A recording control method, including:

writing data to or deleting data ~~to and~~ from a recording medium having a unit management table recorded thereon, ~~where recorded is a unit management table which manages for managing~~ usage status of units of a recording region, ~~in units of unit that is constituted by the recording region whose logical address is contiguous and which has~~ each unit having a predetermined size with contiguous logical addresses;

updating the unit management table in the event that the usage status of the unit is changed by said writing or deleting;

recording, on the recording medium, information indicating that the unit management table has been updated;

reading out, prior to using the recording medium, the information recorded in said recording, and detecting whether an apparatus that last performed said writing or deleting has updated the unit management table or not; and

reconstructing the unit management table if the apparatus that last performed said writing or deleting has not updated the unit management table.